

A SECOND RECORD FOR THE COULT- ER'S WHITEFISH.

(*Coregonus coulteri* Eigenmann.)

In the *American Naturalist*, November, 1892, p. 961, Eigenmann described a small species of whitefish from the Kicking Horse River, one of the head streams of the Columbia River in British Columbia. This species, which is said not to exceed 8 inches in length, appears to have been recorded from no other locality up to the present time.

In the collection of the Bureau of Fisheries there are 6 specimens of this species in a poorly preserved condition, which were received from Mr. James Oliver, Chignik, Alaska. They were collected in Second Lake and the stream connecting it with First Lake, about November 1, 1912. This species is said to resemble *Coregonus williamsoni*, but with larger scales. It also differs in a much blunter muzzle, fewer gill rakers, much smaller adult size, and in other respects.

The following tables show the principal characters as far as they could be determined, the proportions being given in percentages:

Total length in m.m.....	158	150	146	152	144	149
Length to base of caudal	145	142	136	140	136	140

PER CENT. OF LENGTH TO BASE OF CAUDAL.

Sex	♀	♂	♀	♀	♂	♂
Distance from tip of snout to nape.....	16.	17.8	17.9	16.2	16.2	15.5
Distance from nape to front of dorsal	28.4	27.5	27.3	31.7	28.4	28.6
Length of dorsal base	10.2	12.4	10.9	10.	9.3	10.8
Longest dorsal ray	13.2	14.7	14.8	13.9	14.6	13.1

Sex	♀	♂	♀	♀	♂	♂
Distance from posterior base of dorsal to front of adipose	24.8	25.5	25.	27.1	28.4	28.6
Length of base of adipose	4.7	4.6	3.9	3.1	4.	3.1
Distance from posterior adipose to origin of upper caudal lobe	13.8	12.4	12.5	13.9	10.5	12.7
Distance from tip of snout to base of pectoral fin	20.4	21.7	21.	19.3	21.9	22.4
Length of pectoral	15.3	17.	16.4	14.7	15.4	13.9
Distance from base of pectoral to base of ventral	30.6	30.2	28.9	32.5	30.8	31.7
Length of ventral ...	13.8	13.9	14.	12.4	13.8	12.4
Distance from base of ventral to front of anal	23.3	23.2	23.4	22.4	21.9	23.2
Length of base of anal	10.2	10.	10.1	9.6	11.3	9.3
Longest ray of anal	13.8	13.1	13.2	12.	13.	10.8
Least depth of caudal peduncle	6.5	6.9	6.2	6.5	6.9	6.2
Length of head	21.1	21.7	21.8	22.4	21.9	20.9

PER CENT. OF LENGTH OF HEAD.

Sex	♀	♂	♀	♀	♂	♂
Distance from tip of snout to posterior edge of preopercle	70.	75.	75.	68.9	70.3	74.
Interorbital width ...	23.3	25.	25.	24.1	25.9	25.9

Sex	♀	♂	♀	♀	♂	♂
Long diameter of eye	25.	25.	28.5	24.1	25.9	25.9
Distance from tip of snout to front of eye	25.	25.	25.	24.1	24.	22.2
Length of maxillary bone	23.3	23.2	25.	20.6	22.2	25.9
Length of mandible	36.6	35.7	33.9	32.7	35.1	35.1
Number of fully developed dorsal rays	9.	9.	9.	9.	9.	9.
Number of fully developed anal rays	10.	10.	10.	10.	11.	11.
Number of pectoral rays	15.	15.	15.	16.	15.	15.
Number of ventral rays	10.	10.	10.	10.	10.	10.
Number of branchiostegal rays, each side	8/8	8/8	8/8	7/7	7/8	?/7
Number of gillrakers, each side	4+8	4+8	4+9	4+8	5+9	?
	4+8	4+8	4+9	5+9	5+9	?
Number of scales.....	6-62-6	6-62-6	6-62	6-62	7-63-5	
Number of vertebrae			50.			

W. C. KENDALL,
U. S. Bureau of Fisheries.

A NOTE ON THE HIBERNATION OF *KINOSTERNON PENNSYLVANICUM.*

The manner of hibernation of our native mud-turtles comes so seldom under the observation of naturalists that the following note may be of interest.